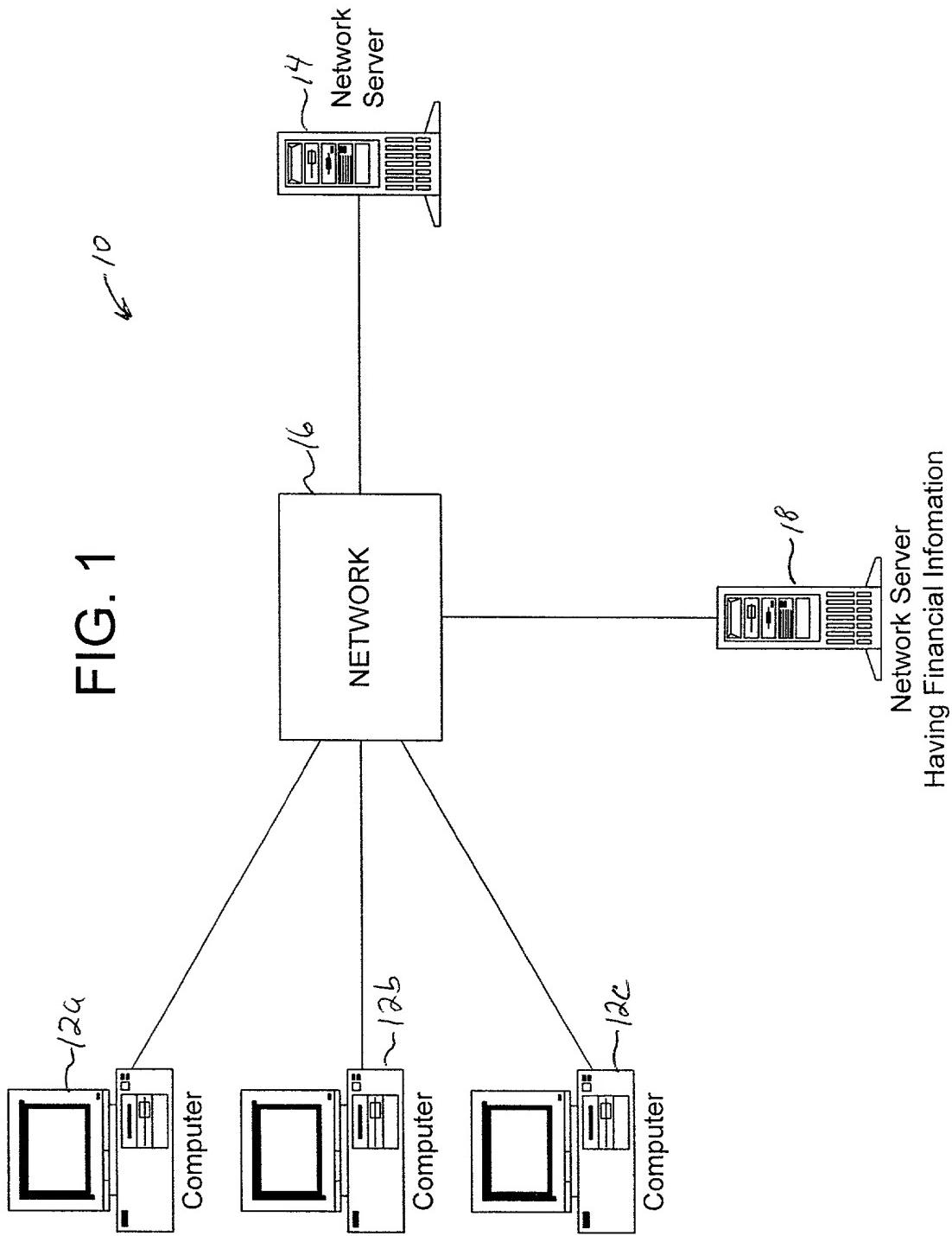


FIG. 1



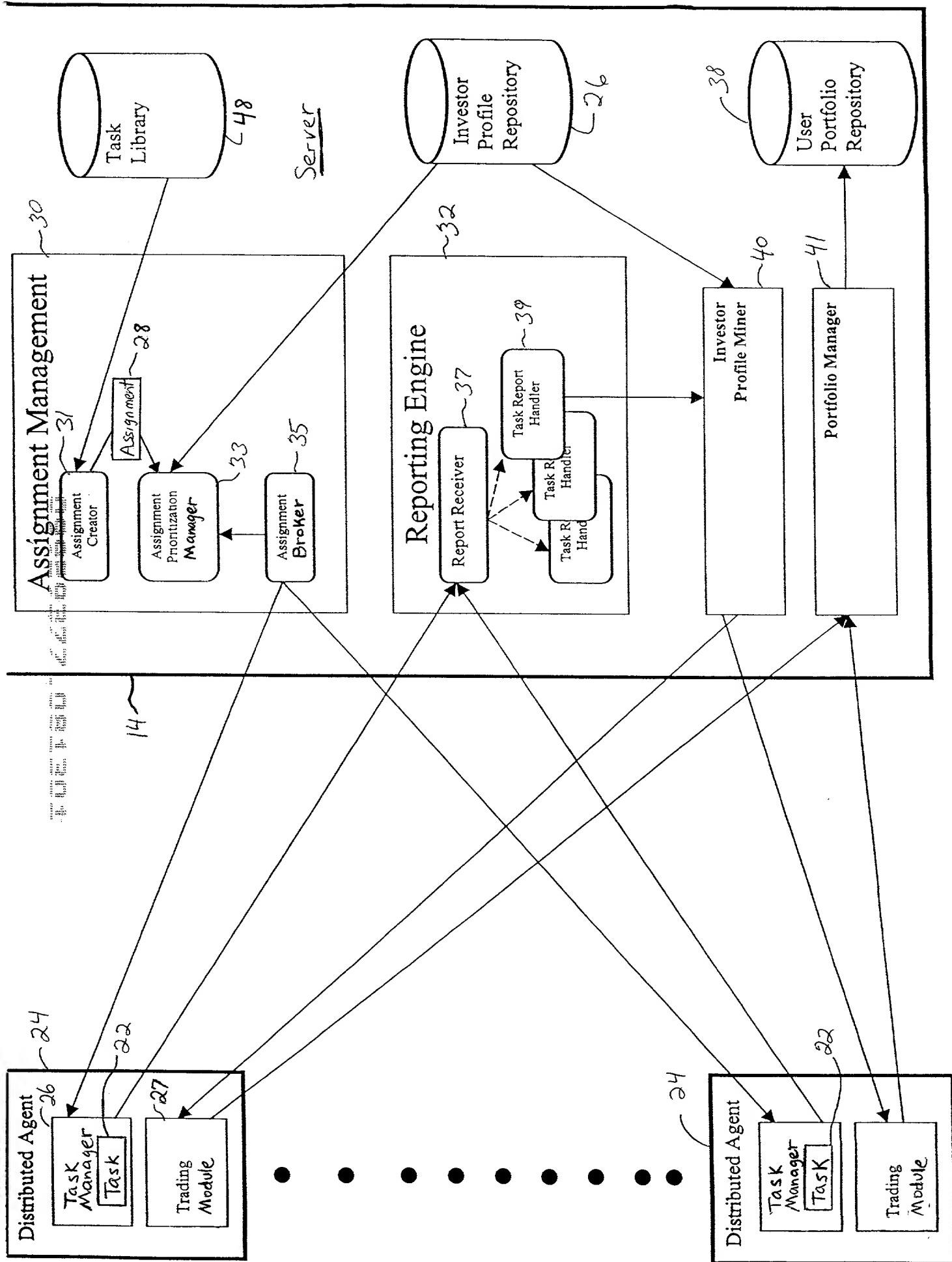


FIG 2

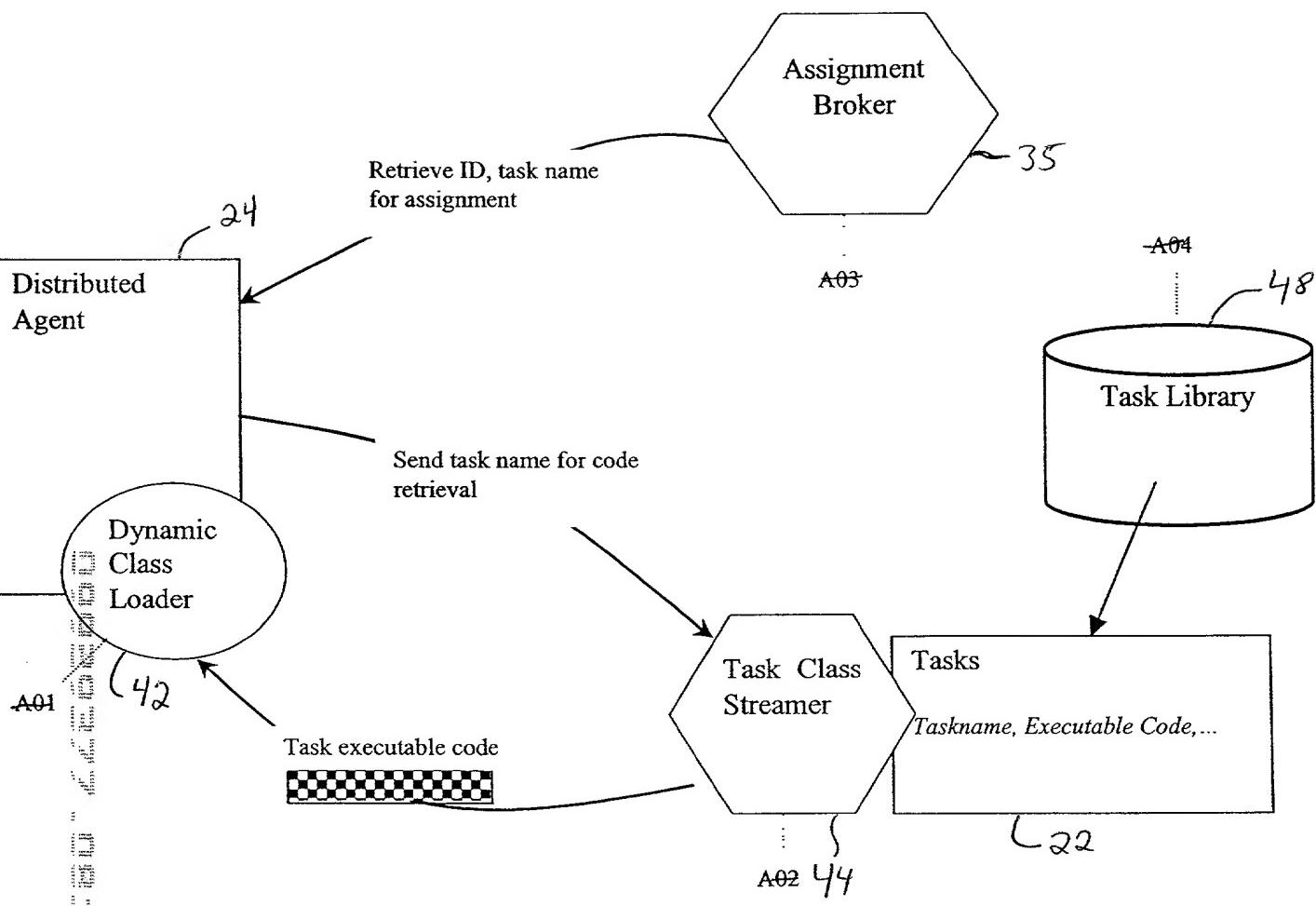


Fig. 3

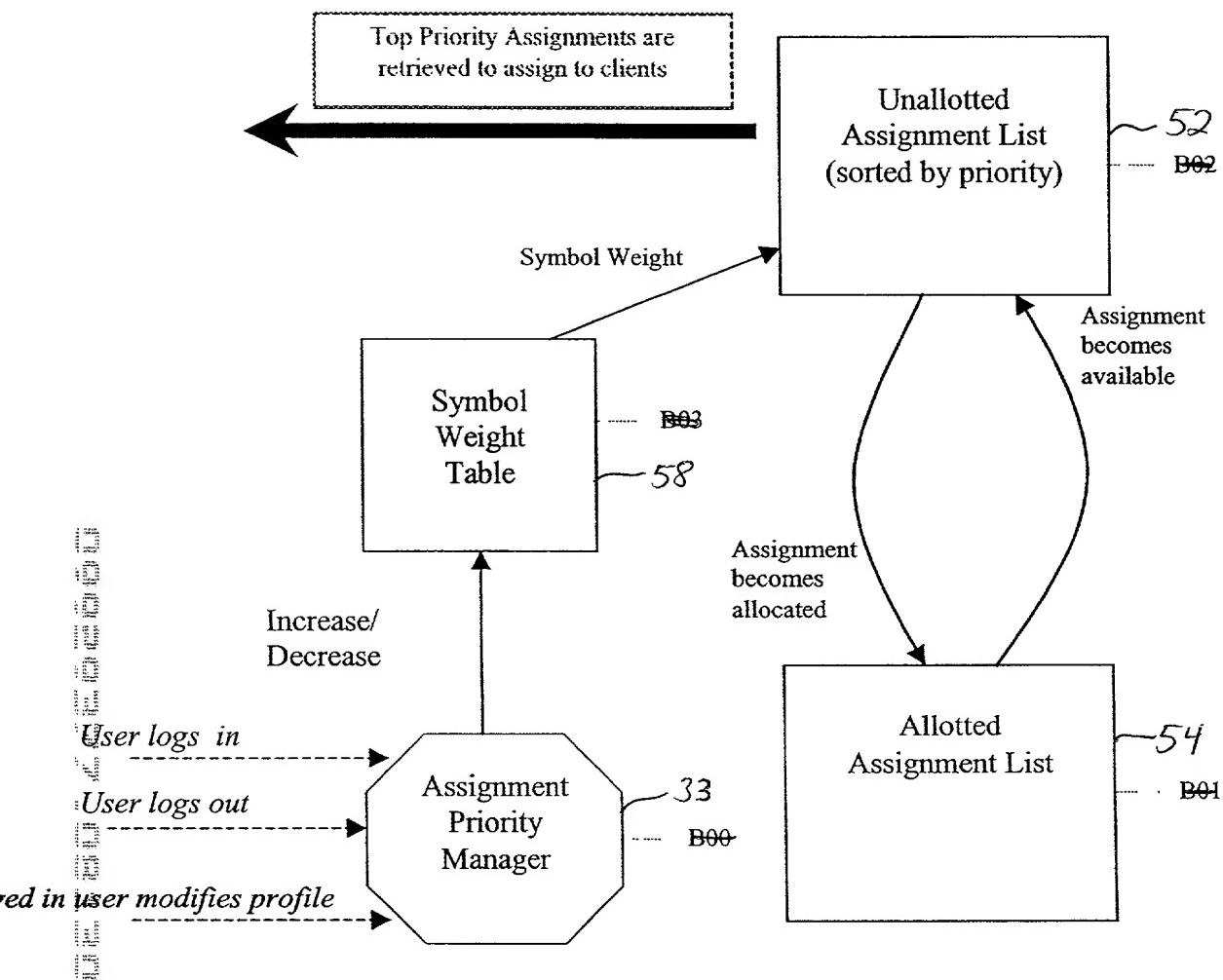


Fig. 4

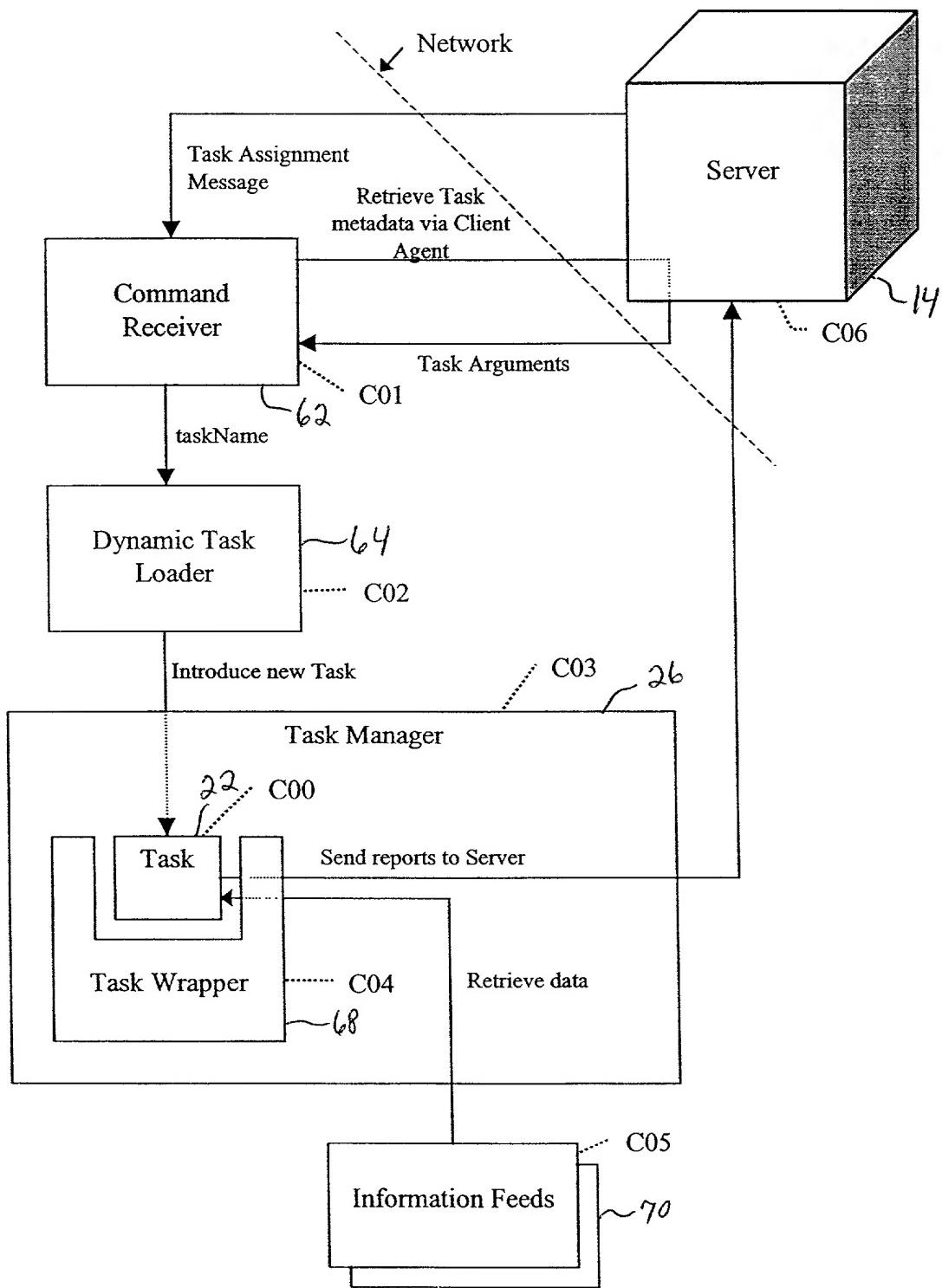


Fig. 5

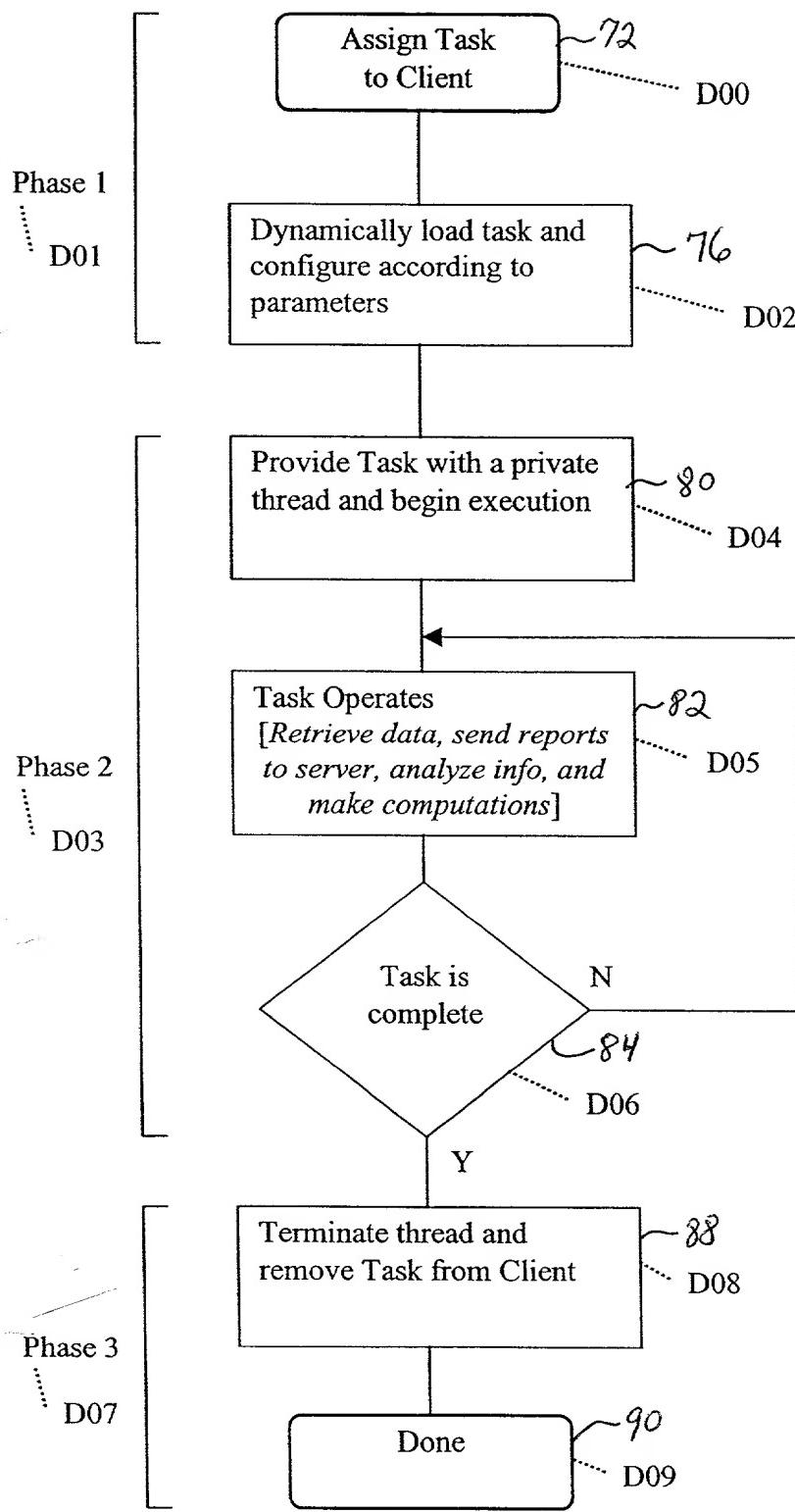


Fig. 6

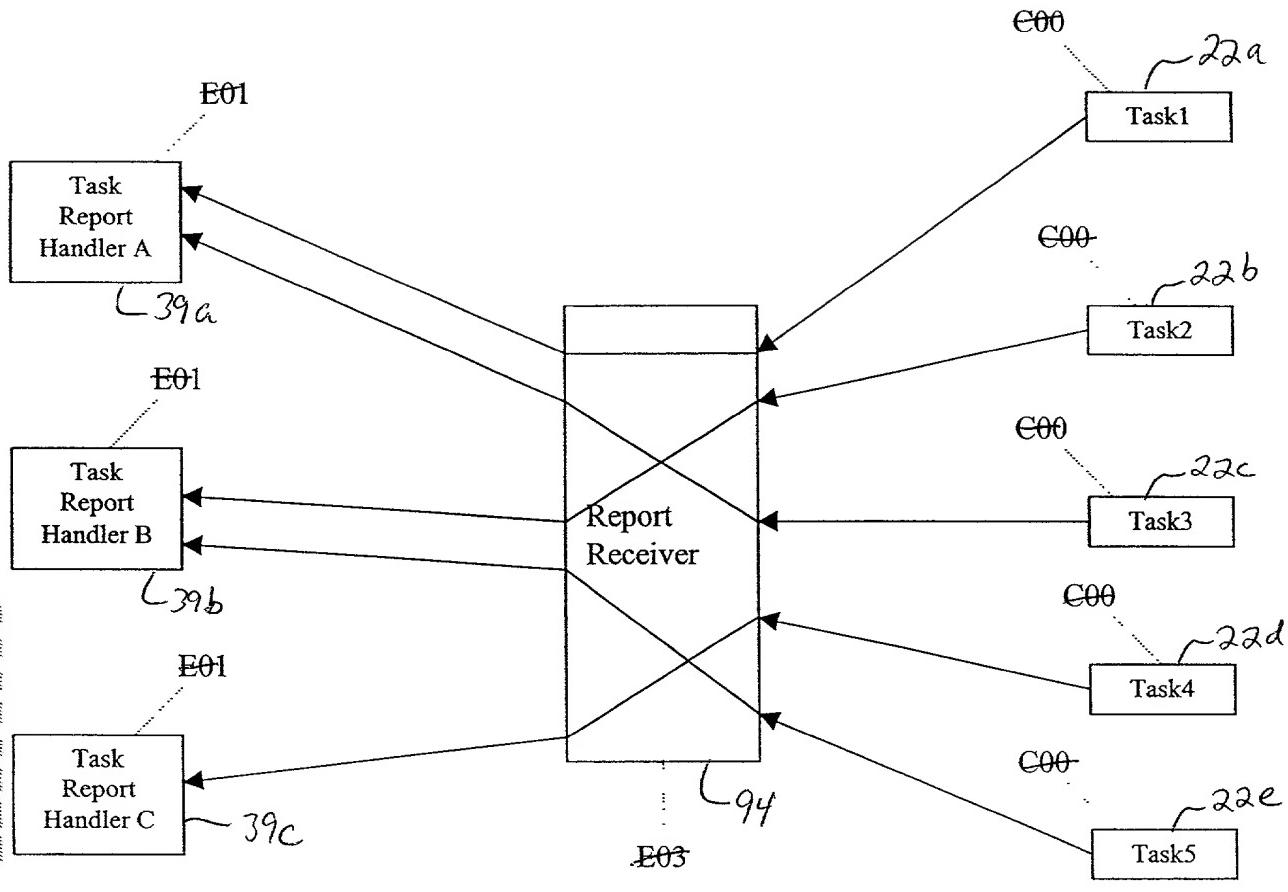


Fig. 7

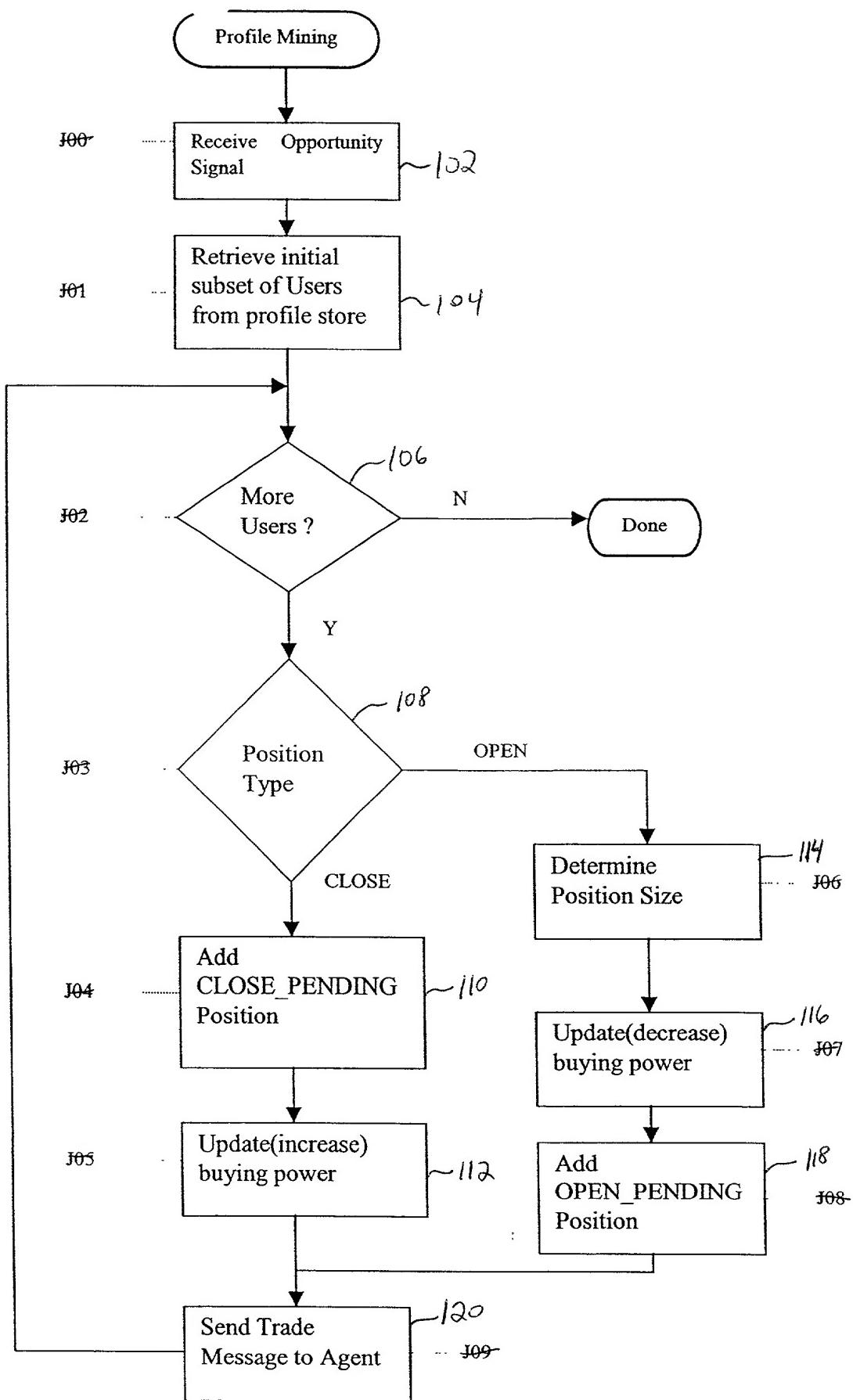


Fig. 8

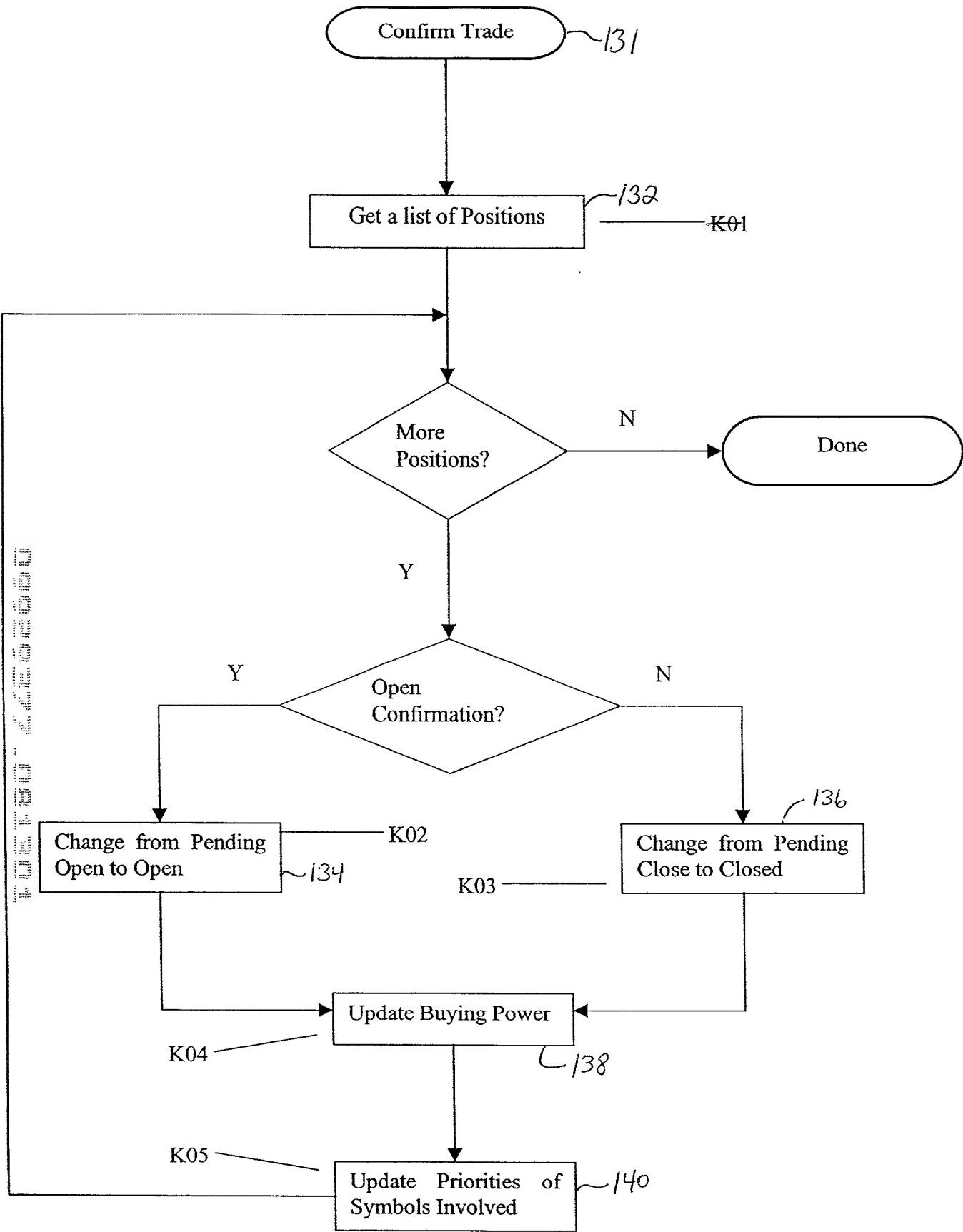


Fig. 9

<u>Trade Message</u>	
Action	
Symbol	
Quantity	
Limit Price	
Trading Module ID	
Account Information	
Confirmation Code	
Actual Price	
Timestamp	

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Fig. 10

Investment Profile for <Sample User>

This information is used to customize trading strategies to your needs.

Trade Parameters

Amount Per Trade (\$):

Low end of range	High end of range
Low end of range	High end of range
Low end of range	High end of range

Shares Per Trade:

Price Per Share (\$):

Equity Parameters

Volatility	Lowest	Low	Medium	High	Highest	All
Company Size	Smallest	Small	Medium	Large	Largest	All
Volume	Lowest	Low	Medium	High	Highest	All
Preferred Indices	DJIA	S&P500	NASDAQ100			All

SAVE

CANCEL

Fig. 11

```
/**  
 * Wrapper class to pass arguments to a task instance on the client.  
 */  
public class TaskArguments implements java.io.Serializable {  
  
    /**  
     * Unique name designating which class this task corresponds to.  
     */  
    public String taskName;  
  
    /**  
     * Execution parameters passed to a task when it is instantiated.  
     * This usually takes the form of a Hash Table of objects. The structure  
     * is flexible to allow different numbers and sizes of  
     * parameter to be passed to particular tasks.  
     */  
    public byte[] argByteArray;  
  
}
```

Fig. 12A

```

/**
 * A collection of services that a task can utilize during its execution on the
 * client. In order to maintain a high level of modularity, task communication
 * with either the client or server must occur through the methods of this
 * interface.
 */
public interface TaskServiceProvider extends Serializable {

    /**
     * Transmits a report to the server on the wrapped task's request.
     *
     * @param reportText the report to be sent
     */
    public void issueReport( String reportText );

    /**
     * Transmits a request for points to the server on the wrapped task's
     * request.
     */
    public void requestPoints();

    /**
     * Creates and installs a NewsDocReceiver for this task with the specified
     * feed.
     *
     * @param task      the concerned task
     * @param feedKey   describes the feed to use
     */
    public NewsDocReceiver installNewsDocReceiver( String feedKey );

    /////////////////////////////////
    //Following are service request that tasks need during execution
    /////////////////////////////////

    public Vector getQuotes(Vector symbols) throws SB_Exception;
    public void linkToDataFeed(Observer o, Vector symbols);
    public void unLinkFromDataFeed(Observer o, Vector symbols);

    public Vector getNASDAQTopVolumeLeaders(int num) throws SB_Exception;
    public Vector getNYSETopVolumeLeaders(int num) throws SB_Exception;
    public Vector getAMEXTopVolumeLeaders(int num) throws SB_Exception;

    public Vector getNASDAQTopPercentageLeaders(int num) throws SB_Exception;
    public Vector getNYSETopPercentageLeaders(int num) throws SB_Exception;
    public Vector getAMEXTopPercentageLeaders(int num) throws SB_Exception;

    public Vector getHistoricalData(String symbol, Calendar startDay, Calendar
endDay) throws SB_Exception;
    public boolean checkIfMarketsOpen() throws SB_Exception;
}

```

Fig. 12B

```
/**  
 * Provides access to the thread wait and notify methods. This is used when an  
 * object that is not the thread owner is running and wants wait/notify control  
 * over its thread.  
 */  
public interface RemoteThreadMonitor {  
  
    /**  
     * Remote equivalent of Object.wait() .  
     */  
    public void remoteWait();  
  
    /**  
     * Remote equivalent of Object.notifyAll() .  
     */  
    public void remoteNotifyAll();  
}
```

Fig.12c